

Figure 1

Figure 2

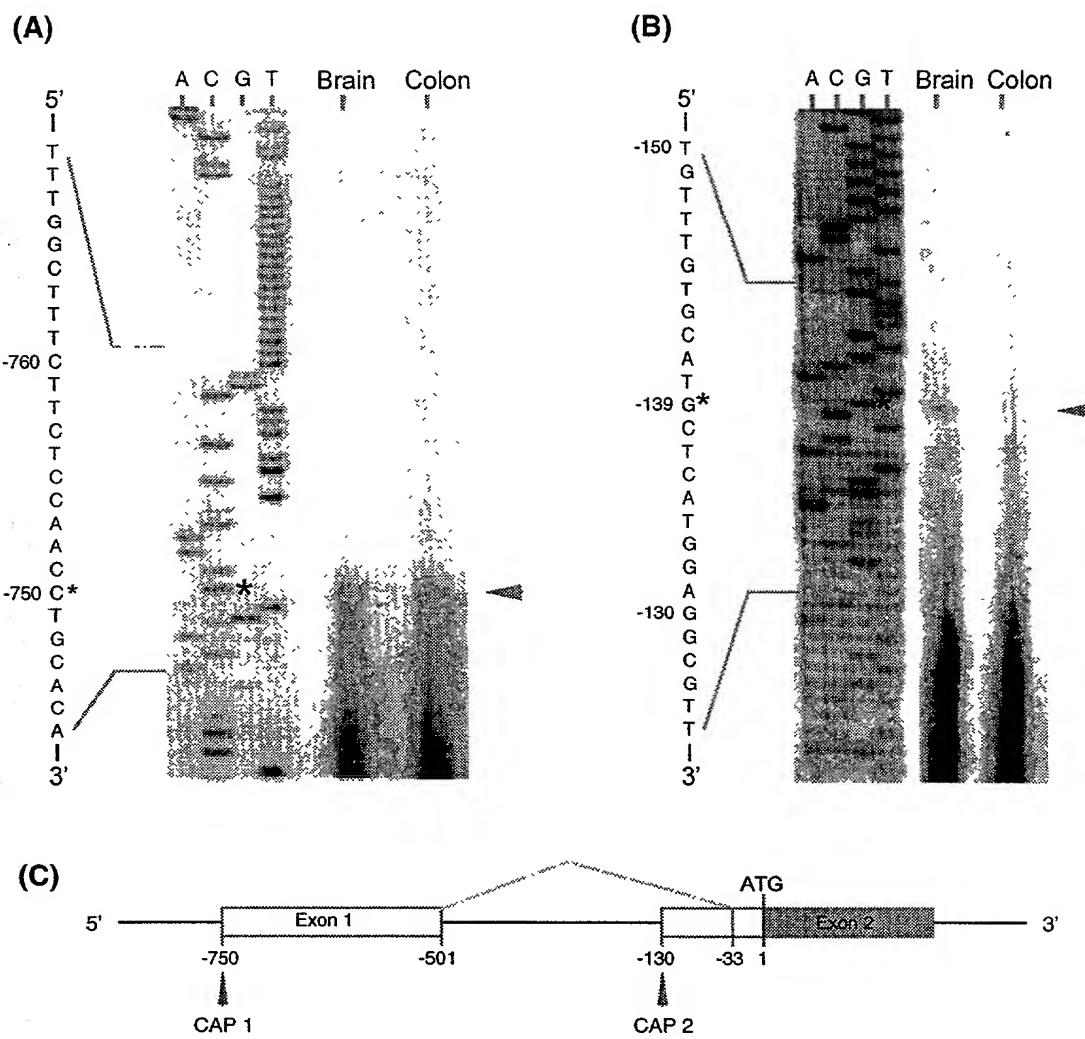


Figure 3

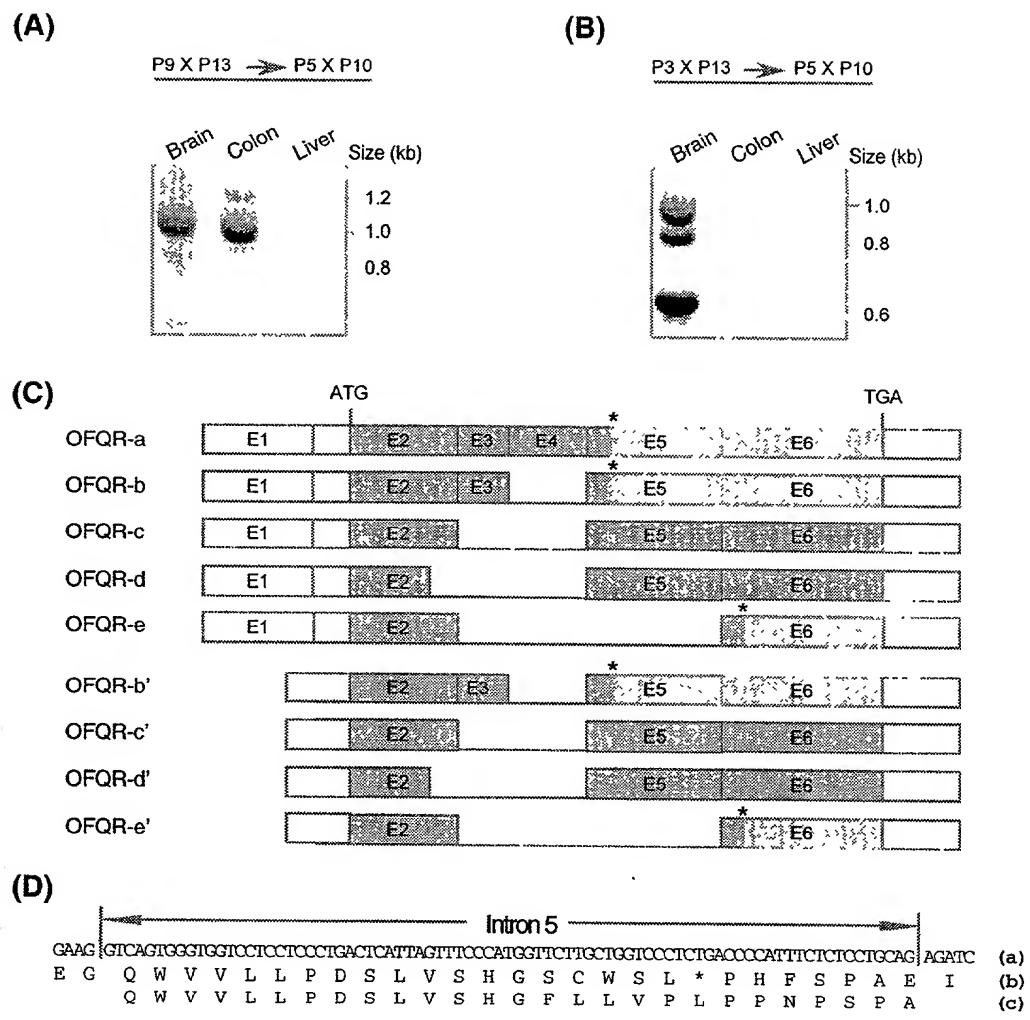


Figure 4

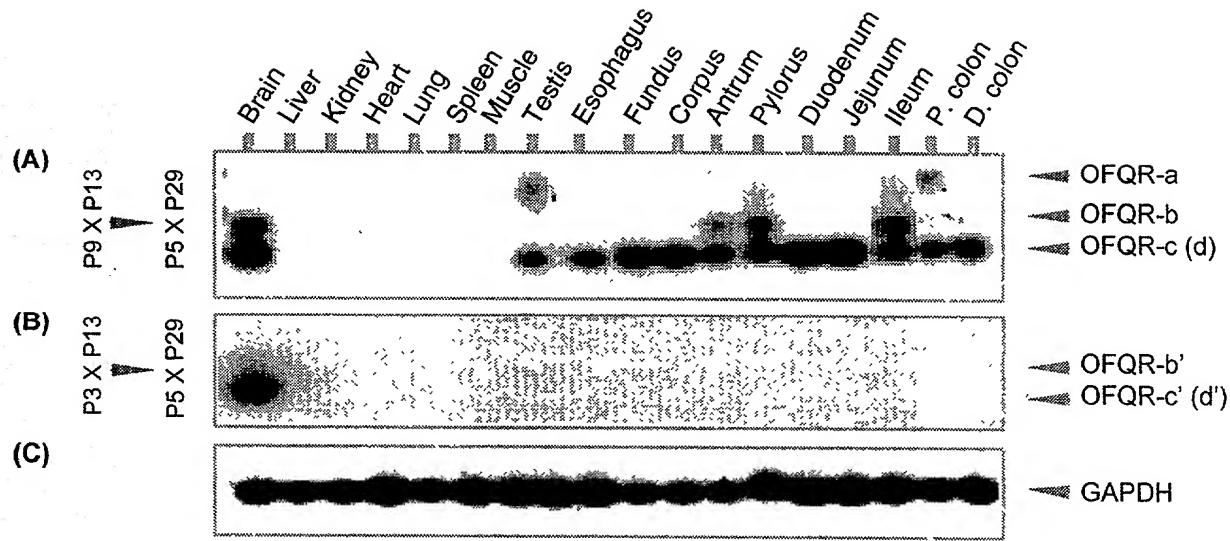


Figure 5

Figure 6

SEQ ID NO:9

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Figure 6 (cont.)

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Figure 6 (cont.)

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Figure 7
SEQ ID NO:10

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Figure 8
SEQ ID NO:11

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Figure 9
SEQ ID NO:12

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Figure 10
SEQ ID NO:13

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Figure 11
SEQ ID NO:14

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Figure 12
SEQ ID NO:15

MESLFPAPYWEVLYGSHFQGNLSLLNETVPHHLLLNAHS AFLPLGLKVTIVGLYLAVCIGGLLGNC LVMY
VILRHTKMKTATNIYIFNLALADTLVLLTLPFQGTDILLGF WPFGNALCKTVIAIDYYNMFTSTFTLTAMS
VDRYVAICHPIRALDVRTSSKAQAVNVAIWALASVVGV PVAIMGSAQVEDEEIECLVEIPAPQDYWGPVFA
ICIFLFSFIIPVLIISVCYSLMIRRLRGVRLLSGSREKDRNLRRITRLVLVVVAVFVG CWT PVQVFV LVQG
LGVQPGSETAVAILRFCTALGYVNSCLNPILYAFLDENFKACFRKFCCASSLHREM QVSDRVRSIAKDVG L
GCKTSETVPRPA

Figure 13
SEQ ID NO:16

1 ctgcacagcc cctccttctc tcagcccgca g cttctgccc ctcccccttc tggctgccgc
61 accggctgtc ggtcttagtc aatatcttat cttcccgagca ggagcttagga gccattccca
121 gccgcagcag accccaatct agagtggagag tcattgtca gtccactgtg ctccctgcctg
181 cccgccttgc tgctaaggcat tggggcttat tttggcccgag cttctgaaga ggctgtgtgt
241 gccgttggag gaactgtact gagtggtctt gcagggtgac agcatggagt ccctcttcc
301 tgctccatac tgggaggtct tttatggcag ccacttcaa gggAACCTGT ccctcctaaa
361 tgagaccgta cccccaccacc tgctcctcaa tgcttagtcac agccgccttcc tgcccttgg
421 actcaagggtc accatcggtt ggctctactt ggctgtgtgc atcgaaaaaa tcctggggaa
481 ctgcctcggtc atgcacacca agatgaagac agtaccaac atttacatat ttaatctggc
541 actggctgtat accctgggtct tgctaacact gcccctccag ggcacagaca tcctactggg
601 cttctggcca tttgggaatg cactctgcaa gactgtcatt gctatcgact actacaacat
661 gtttaccagc acttttactc tgaccgcccatt gagcgttagac cgctatgtgg ctatctgcca
721 ccctatccgt gcccctgtat ttccggacatc cagcaaaagcc caggctgtta atgtggccat
781 atggggccctgt gttcagtgg ttgggtttcc ttgtggccatc atgggttcag cacaagtgg
841 agatgaagag atcgagtgcc ttgggtggat ccctggccctt caggacttatt gggggccctgt
901 attcgccatc tgcattttcc ttttttccctt catcatccctt gtgctgtatca tctctgtctg
961 ctacagccctc atgattcgac gacttcgtgg ttgtggccatc ctttcaggctt cccgggagaa
1021 ggaccgaaac ctgcggcgta tcactcgact ggtgctggta ttgggtggctg tgtttgg
1081 ctgctggacg cctgtgcagg ttgggttcctt gttcaagga ctgggtgttc agccaggttag
1141 tgagactgca gttccatcc tgcgttctg cacagccctg ggctatgtca acagttgtct
1201 caatccctt ctctatgtttt tcctggatga gaaacttcaag gcctgcttta gaaagttctg
1261 ctgtgcttca tccctgcacc gggagatgca gtttctgtat cgtgtgcgga gcattgccaq
1321 ggtatgttggc cttgggttgc a gacttctga gacagtacca cggccagcat ga

Figure 14
SEQ ID NO:17

MESLFPAPYWEVLYGSHFQGNLSLLNETVPHLLLNAHS AFLPLGLKVTIVGLYLAVCIGGLLGNC LMH
TKMKTATNIYIFNLALADTLVLTLPFQGTDILLGF WPFGNALCKTVIAIDYYNMFTSTFTLTAMS VDRYV
AICHPIRALDVRTSSKAQAVNVAIWALASVVGV PVAIMGSAQVEDEEIECLVEIPAPQDYWGPVFAICIFL
FSFIIPVLIISVCYSLMIRRLRGVRLLSGSREKDRNLR RITRLVLVVVAVFVG CWT PVQVFV LVQGLGVQP
GSETAVAILRFCTALGYVN SCLNPILY AFLDENFKACFRKFCCASS LHREM QVSDRVRSIAKDVG GLGCKTS
ETVPRPA

Figure 15
SEQ ID NO:18

1 gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tttgttctaa ggccctcagtg
61 gacggtgtct agcaactgtgg ttacttgttt ctgtccctg ttccaggaaac tgtactgagt
121 ggctttgcag ggtgacagca tggagtccct ctttcctgct ccatactggg aggtcttcta
181 tggcagccac tttcaaggga acctgtccct ccttaaatgag accgtacccc accacactgct
241 cctcaatgct agtcacagcg ctttcctgccc ctttgactc aaggtcacca tcgtgggct
301 ctacttggct gtgtgcatcg gggggctcct ggggaactgc ctcgtcatgt atgtcatcct
361 cagctgggag ggcattgagg gggactggag acagcaggca caccaagatg aagacagcta
421 ccaacattta catattaa

Figure 16
SEQ ID NO:19

1 gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tttgttctaa ggccctcagtg
61 gacgggtctc agcaactgtgg ttacttggtt ctgtccccctg ttccaggaaac tgtaactgagt
121 ggcttgcag ggtgacagca tggagtcctt ctttcctgtc ccatactggg aggtcttgta
181 tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgt
241 cctcaatgtc agtcacagcg ctttcctgcc ccttggactc aaggtcacca tcgtggggct
301 ctacttggct gtgtgcattcg gggggctctt ggggaactgc ctcgtcatgt atgtcatcct
361 caggcacacc aagatgaaga cagctaccaa cattacata tttaatctgg cactggctga
421 taccctggtc ttgctaacac tgcccttcca gggcacagac atcctactgg gcttctggcc
481 atttggaaat gcactctgca agactgtcat tgctatcgac tactacaaca tgtttaccag
541 cactttact ctgaccggca tgagcgtaga ccgctatgtg gctatctgcc accctatccg
601 tgcccttgat gttcggacat ccagcaaaagc ccaggctgtt aatgtggcca tatggggct
661 ggcttcagtg gttgggtgtc ctgttgcatt catgggttca gcacaagtgg aagatgaaga
721 gatcgagtgc ctggggaga tccctgcccc tcaggactat tggggccctg tattcgccat
781 ctgcattctc ctttttcct tcattcatccc tgtgctgatc atctctgtct gctacagcc
841 catgattoga cgacttcgtg gtgtccgtt gcttcaggc tccccggaga aggaccgaaa
901 cctgcggcgt atcaactcgac tggtgctgtt agtgggtggct gtgtttgtgg gctgctggac
961 gcctgtgcag gtgtttgtcc tggttcaagg actgggtgtt cagccaggta gtgagactgc
1021 agttgccatc ctgcgttct gcacagccct gggctatgtc aacagtgtc tcaatcccat
1081 tctctatgtt ttccctggatg agaacttcaa ggcctgctt agaaagtgtct gctgtcttc
1141 atccctgcac cgggagatgc aggtttctga tcgtgtgcgg agcattgcca aggatgttgg
1201 ccttgggtgc aagacttctg agacagtacc acggccagca tga

Figure 17
SEQ ID NO:20

1 gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tgtgttctaa ggcctcagtg
61 gacggtgtct agcaactgtgg ttacttgttt ctgtgccctg ttccaggaac tgtactgagtt
121 ggctttgcag ggtgacagca tggagtcctt ctttcctgtt ccatactggg aggtcttgta
181 tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgct
241 cctcaatgct agtcacagcg ctttcctgcc ctttggactc aaggtcacca tctgtgggct
301 ctacttggct gtgtgcattcg gggggctcct ggggaactgc ctcgtcatgc acaccaagat
361 gaagacagct accaacattt acatatttaa tctggcactg gctgataccc tggtcttgct
421 aacactgccc ttccagggca cagacatcct actgggcttc tggccatttg ggaatgcact
481 ctgcaagact gtcattgcta tcgactacta caacatgttt accagcattt ttactctgac
541 cggccatgagc gtagaccgct atgtggctat ctgcccaccct atccgtgcc ttgatgttcg
601 gacatccagc aaagcccagg ctgttaatgt ggcataatgg gcccctggctt cagtggttgg
661 tttccctgtt gccatcatgg gttcagcaca agtggaaatg gaagagatcg agtgcctgg
721 ggagatccct gcccctcagg actattgggg ccctgtattc gccatctgca tcttcctttt
781 ttcccttcattc atccccgtgc tgatcatctc tgtctgtac agcctcatga ttgcacgact
841 tctgtgggtgc cgtctgcttt caggctcccg ggagaaggac cggaaacctgc ggcgtatcac
901 tcgactgggtg ctggtagtgg tggctgtgtt tgtgggctgc tggacgcctg tgcaggtgtt
961 tgtcctgggtt caaggactgg gtgttcagcc aggttagttag actgcagttt ccatccctgc
1021 ctctgcaca gcccctggctt atgtcaacag ttgtctcaat cccattctt atgccttcct
1081 ggttggaaac ttcaaggcct gcttttagaaa gttctgtgt gcttcatccc tgcaccggga
1141 gatgcagggtt tctgatcggt tgccggagcat tgccaaggat gttggccttg gttgcaagac
1201 ttctgagaca gtaccacggc cagcatga

Figure 18
SEQ ID NO:21

1 gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tgtgttctaa ggccctcagtg
61 gacggtgtct agcactgtgg ttacttgttt ctgtgccctg ttccaggAAC tgcactgagt
121 ggcttcgcag ggtacagca tggagtccct cttctctgtc ccatactggg aggtcttgta
181 tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgct
241 cctcaatgct agtcacagcg cttccctgcc cttggactc aaggtcacca tcgtggggct
301 ctacttggct gtgtgcacatcg gggggctccct ggggaactgc ctcgtcatgt atgtcatcct
361 cagagatcga gtgcctggtg gagatccctg cccctcagga ctattgggc cctgtattcg
421 ccatctgcacat cttccctttt tccttcatca tccctgtgtc gatcatctc gtctgctaca
481 gcctcatgat tcgacgactt cgtgggttcc gtctgcttc aggctcccg gagaaggacc
541 gaaacctgcg gcgtatcaact cgactgggtgc tggttagtggt ggctgtgtt gtgggctgct
601 ggacgcctgt gcagggtttt gtccctggttc aaggactggg tggtcagcca ggttagtgaga
661 ctgcagttgc catcctgcgc ttctgcacag ccctgggcta tgtcaacagt tgtctcaatc
721 ccattctcta tgcttcctg gatgagaact tcaaggcctg ctttagaaag ttctgctgtg
781 cttcatccct gcacccggag atgcaggttt ctgatcgtgt gcggagcatt gccaaggatg
841 ttggccttgg ttgcaagact tctgagacag taccacggcc agcatga

Figure 19
SEQ ID NO:22

1 cctgctctgc acctgtcgac gactgccagc cggctgaggg cgggggtctc cacgggtggtc
61 ccagctccca aggagggtgc agaagtaccg tacagagtgg atttgcaggg cagtggcatg
121 gagccccctct tcccccgcc gttctggag gttatctacg gcagccacct tcagggcaac
181 ctgtccctcc tgagccccaa ccacagtctg ctgcccccg atctgctgt caatgccagc
241 cacggccct tcctccccct cgggctcaag gtcaccatcg tggggctcta cctggccgtg
301 tgtgtcgag ggctctggg gaactgcctt gtcatgtacg tcatcctcag gcacaccaaa
361 atgaagacag ccaccaatat ttacatctt aacctggccc tggccgacac tctggcctg
421 ctgacgctgc ccttccaggg cacggacatc ctccctggct tctggccgtt tggaatgcg
481 ctgtcaaga cagtcatgc cattgactac tacaacatgt tcaccagcac ctccacccta
541 actgccatga gtgtggatcg ctatgtggcc atctgccacc ccatccgtgc cctcgacgtc
601 cgacagtcca gcaaagccca ggctgtcaat gtggccatct gggccctggc ctctgttg
661 ggtgttcccg ttgccatcat gggctcgga caggtcgagg atgaagagat cgagtgcctg
721 gtggagatcc ctaccctca ggattactgg ggcccggtgt ttgccatctg catcttcctc
781 ttctccttca tcgtccccgt gtcgtcatac tctgtctgt acagcctcat gatccggcgg
841 ctccgtggag tccgcctgct ctccggctcc cgagagaagg accggaacct gcggcgcac
901 actcggctgg tgctgggtt agtggctgtt ttctgtggct gctggacgcc tgcaggatgc
961 ttctgtctgg cccaaagggtt ggggggttcag ccgagcagcg agactgcctg ggccattctg
1021 cgcttctgca cggccctggg ctacgtcaac agtgcctca accccatctt ctacgccttc
1081 ctggatgaga acttcaaggc ctgttcccg aagttctgtt gtgcattctgc cctgcgcgg
1141 gacgtgcagg tgtctgaccg cgtgcgcagc attgccaagg acgtggccctt ggcctgcaag
1201 acctctgaga cggtaccgcg gcccgcata cttaggcgtgg acctgcctcat ggtgcctgtc
1261 agccgcaga gcccatactac gccaacaca gagctcacac aggtcaactgc tctctaggcg
1321 gacacaccctt gggcccttag catccagagg ctggatggg cttttccctg tggccaggg
1381 atgctcggtc ccagaggagg accttagtgc atcatgggc aggtcaaagc attaggccca
1441 cctccatggc cccagacaga ctaaagctgc cctccctggc cagggccgag gggacacaag
1501 gacctacctg gaagcagctg acatgtggg ggacggccgt tactggagcc cgtgccttc
1561 cttcccccgtg ctcatgtga ctcttggcc ctctgtgtt gcgttggcag aaccctgggt
1621 gggcaggcac ccggaggagg agcagcagct gtgtcatctt gtgccttccca tgcaggatgt
1681 gctgtttgca tggcagggtt ccagctgcct tcagccctgt gacgtctctt cagggcagct
1741 ggacaggctt ggcacggccc gggaaagtgc gcaggcagct tttctttggg gtggacttg
1801 ccctgagctt ggagctgcca cttggaggac ttgcctgtt cgcactccacc tgcaggccg
1861 gggccacccc aggagaaaagt gtccaggtgg gggctggcag tccctggctg cagaccccgaa
1921 gctggccctc ggaccgcacc tctgaagggtt ttctgtgtgc tgcacgggtc aggccatcatc
1981 cctgactgca gcttgactt gggcccaacc cccattttcc ttctggagac cagcgagagg
2041 ccctggccat ccctccagcg gtgcataatgaa ctatatgtt tggaccgtca acccagccct
2101 gttctctcgt gtggggcagg tgcatttcgtt cgaaggccgc gcgtgaccac atgggcagct
2161 ctgttcacaa agtggaggcc tgcattttccctt ggtctgtact gtcgttttgg ggtggagaa
2221 gattctctgg gggccccac atccctccaa ggctccctc acagcccttc ctgttgc
2281 agccagaggt cagtggccgt gtcgttttgc gggaaagctg tgcaggagga gaagctgggt
2341 gccacagcag agtccctgctc tggggacgcc tgcatttacaacgcctca agatggct
2401 gtgttagggcc tgagcttgc gccaacggg aggtggctt cacagcagag ccagcatgag
2461 ggggtggggcc tggcagggtt tgcttgc aaactgcataa ggctgtgggt gctgtgagga
2521 cactgcgggg gttt

Figure 20
SEQ ID NO:23

MESLFPAPYWEVLYGSHFQGNLSSLNETVPHLLLNASHSNFLPLGLKVTIVGLYLAVCIGGLGN
CLVMYVILRDRVPGGDPCPSGLLGPCIRHLHLPFFLHPCADHLCLLQPHDSTSWCPSAFRLPGE
GPKPAAYHSTGAGSGGCVCGLLDACAGVCPGSRTGCSAR